Amendments to the Claims

Claims 1-48 (Cancelled)

49. (Currently amended) A method of forming silicon-on-insulator comprising integrated circuitry, comprising:

forming a silicon-comprising silicon-comprising layer of the silicon-on-insulator circuitry;

forming a pair of source/drain regions in the silicon comprising layer and a channel region in the silicon comprising layer which is received intermediate the source/drain regions;

forming a transistor gate operably proximate the channel region;

forming an insulator layer of the silicon-on-insulator circuitry, the insulator layer being formed to comprise:

a first silicon <u>dioxide-comprising</u> <u>dioxide comprising</u> region in contact with the <u>silicon comprising</u> <u>silicon-comprising</u> layer <u>and running along at least a portion of the</u> <u>channel region between the source/drain regions</u>;

a silicon <u>nitride-comprising</u> nitride comprising region in contact with the first silicon <u>dioxide-comprising</u> dioxide comprising region and running along at least a portion of the channel region; and

a second silicon <u>dioxide-comprising</u> dioxide comprising region in contact with the silicon <u>nitride comprising</u> <u>nitride-comprising</u> region, the silicon <u>nitride-comprising</u> nitride comprising region being received intermediate the first and second silicon <u>dioxide-</u>

comprising dioxide comprising regions, the forming the insulator layer comprising forming a first silicon dioxide layer on a first substrate, forming a second silicon dioxide layer on a second substrate and joining the first substrate to the second substrate.

forming a pair of source/drain regions in the silicon-comprising layer, each of the source/drain regions extending to the insulator layer;

forming a channel region in the silicon-comprising layer which is received intermediate the source/drain regions, the channel region extending less than completely through a thickness of the silicon-comprising layer, the silicon-nitride-comprising region running along at least a portion of the channel region and the first silicon dioxide layer running along at least a portion of the channel region; and

forming a transistor gate operably proximate the channel region.

- 50. (Withdrawn) The method of claim 49 comprising forming the silicon nitride comprising nitride-comprising region comprising nitridizing at least one of the first and second substrates prior to the joining.
- 51. (Withdrawn) The method of claim 50 wherein the nitridizing comprises ion implanting.
- 52. (Withdrawn) The method of claim 50 wherein the nitridizing comprises direct plasma nitridation.
 - 53. (Withdrawn) The method of claim 50 wherein the nitridizing comprises

remote plasma nitridation.

- 54. (Withdrawn) The method of claim 50 wherein the nitridation is void of either direct or remote nitrogen containing plasma exposure.
- 55. (Currently amended) The method of claim 49 comprising, forming the silicon <a href="mailtride-comprising-nitride-comprising
- 56. (Original) The method of claim 55 wherein the nitridizing comprises ion implanting.
- 57. (Withdrawn) The method of claim 55 wherein the nitridizing comprises direct plasma nitridation.
- 58. (Withdrawn) The method of claim 55 wherein the nitridizing comprises remote plasma nitridation.
- 59. (Withdrawn) The method of claim 55 wherein the nitridation is void of either direct or remote nitrogen containing plasma exposure.
- 60. (Currently amended) The method of claim 55 comprising forming the silicon nitride-comprising nitride comprising region to have a thickness of from about 10 Angstroms to about 50 Angstroms.

- 61. (Currently amended) The method of claim 55 comprising forming the first silicon dioxide-comprising dioxide comprising region to have a thickness of from about 10 Angstroms to about 50 Angstroms.
- 62. (New) A method of forming silicon-on-insulator comprising integrated circuitry, comprising:

forming a silicon-comprising layer;

forming an insulator layer, the insulator layer being formed to comprising:

a first silicon dioxide comprising region in contact with the silicon-comprising layer;

a silicon nitride comprising region in contact with the first silicon dioxide; and a second silicon dioxide comprising region in contact with the silicon nitride comprising region, the silicon nitride-comprising region being received intermediate the first and second silicon dioxide comprising regions;

forming a pair of source/drain regions in the silicon-comprising layer, each of the source/drain regions extending to the insulator layer;

forming a channel region in the silicon-comprising layer which is received intermediate the source/drain regions, the channel region extending less than completely through a thickness of the silicon-comprising layer; and

forming a gate structure operably proximate the channel region.

63. (New) The method of claim 62 wherein the forming the insulator layer further comprises:

forming a silicon oxide material over a first substrate; forming a second silicon oxide material over a second substrate; and joining the first and second substrates to form a joined substrate.

- 64. (New) The method of claim 63 wherein the joining comprises applying a voltage to the first substrate and the second substrate.
- 65. (New) The method of claim 63 further comprising, after joining the first and second substrates, thinning the joined substrate.
- 66. (New) The method of claim 65 wherein the thinning comprises removal of a portion of the silicon-comprising layer.